1 Cl

aims

1. Method for diagnosis of driver outputs (20), especially for use in a motor vehicle, in which, for reading out a diagnosis result at a driver output (20), a pulse is fed to the driver output (20),
characterized in that,

- a requirement (12) of a pulse existing for a driver output (20) can be stored, with especially a plurality of simultaneously existing requirements (12) being able to be stored, and

- a plurality of stored requirements (12) being successively taken into account in accordance with predetermined rules.

2. Method in accordance with claim 1,
characterized in that,

- the requirements (12) can be stored in a diagnosis pulse requirement register (14) as binary values,

- the requirements (12) stored in the diagnosis pulse requirement register (14) can be transmitted into a diagnosis pulse execution register (16) and

- the diagnosis pulse requirement register (14) can be erased after the transmission of the requirements (12) into the diagnosis pulse execution register (16).

3. Method in accordance with claim 2,
characterized in that,
the requirements (12) are transmitted from the diagnosis pulse requirement register (14) into the diagnosis pulse execution register (16) only if no requirements (12) are stored in the diagnosis pulse execution register (16).

4. Method in accordance with Claim 2 or 3,
characterized in that
before the requirements (12) are transmitted from the diagnosis pulse requirement

register (14) into the diagnosis pulse execution register (16), requirements (12) which are no longer stored in the diagnosis pulse requirement register (14) are also deleted from the diagnosis pulse execution register (16).

5. Method in accordance with one of the claims 2 to 4,
characterized in that
after a requirement (12) stored in the diagnosis pulse execution register (16) has been taken into account, this requirement (12) is deleted in the diagnosis pulse execution register (16).

6. Method in accordance with one of the previous claims
characterized in that
the predetermined rules are based on at least one of the following criteria:

- different driver outputs (20) have a different priority, and

- a requirement (12) assigned to a specific driver output (20) may be taken into consideration or not.

7. Method in accordance with claim 6,
characterized in that
the priorities of the driver outputs (20) are defined by configuration of a control and prioritization unit (18).

8. Method in accordance with Claim 6 or 7,
characterized in that
the priorities of the driver outputs (20) change dynamically depending on operating states of the motor vehicle.

9. Diagnosis pulse manager (10) for feeding pulses to driver outputs (20) depending on system requirements (12), especially for use in a motor vehicle, in order to read out diagnosis results at driver outputs (20),
characterized in that

- a diagnosis pulse requirement register (14) is provided for storing an existing requirement (12) of a pulse for a driver output (20), with especially a plurality

of simultaneously existing requirements (12) being able to be stored, and

- a plurality of stored requirements (12) is able to be taken into account successively in accordance with predetermined rules.

10. Diagnosis pulse manager (10) in accordance with claim 9,
characterized in that

- the requirements (12) can be stored in the diagnosis pulse requirement register (14) as binary values,

- the requirements (12) stored in the diagnosis pulse requirement register (14) can be transmitted into a diagnosis pulse execution register (16) and

- the diagnosis pulse requirement register (14) can be erased after the requirements (12) have been transferred into the diagnosis pulse execution register (16).

11. Diagnosis pulse manager (10) in accordance with claim 10,
characterized in that

- the requirements (12) are transmitted from the diagnosis pulse requirement register (14) into the diagnosis pulse execution register (16) only if no requirements (12) are stored in the diagnosis pulse execution register (16).

12. Diagnosis pulse manager (10) in accordance with claim 10 or 11,
characterized in that
before the requirements (12) are transmitted from the diagnosis pulse requirement register (14) into the diagnosis pulse execution register (16), requirements (12) which are no longer stored in the diagnosis pulse requirement register (14) are also deleted from the diagnosis pulse execution register (16).

13. Diagnosis pulse manager (10) in accordance with one of the claims 10 to 12,
characterized in that
after a requirement (120 stored in the diagnosis pulse execution register (16) has been taken into account, this requirement (12) is deleted in the diagnosis pulse

execution register (16).

14. Diagnosis pulse manager (10) in accordance with one of the claims 9 to 13,
characterized in that
the predetermined rules are based on at least one of the following criteria:

- different driver outputs (20) have a different priority, and
- a requirement (12) assigned to a specific driver output (20) may be taken into consideration or not.

15. Diagnosis pulse manager (10) in accordance with claim 14,
characterized in that
the priorities of the driver outputs (20) are defined by configuration of a control and prioritization unit (18).

16. Diagnosis pulse manager (10) in accordance with claim 14 or 15,
characterized in that
the priorities of the driver outputs (20) change dynamically depending on operating states of the motor vehicle.